GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:296
ANSWERED ON:06.07.2004
GENERATION OF SOLAR ENERGY
Chandel Shri Suresh

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether the Government propose to give priority to solar energy as compared to hydel and thermal power;

(b) if so, the details thereof and the quantum of solar energy being generated in the country as on date;

(c) whether the Government have conducted any study regarding the generation of power from other source besides thermal, hydel and solar energy; and

(d) if so, the details thereof

Answer

MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (INDEPENDENT CHARGE) (SHRI VILAS MUTTEMWAR)

(a)& (b): Solar energy is useful in decentralized applications, particularly in some remote areas where grid extension is not likely.Details of solar energy systems/ devices installed/ set up in the country as on 31.3.2004 are given in the Annexure.

(c) & (d) : Resource assessments reveal a potential of 45,000 MW from wind, 15000 MW from small hydro, 19,500 MW from biomass and 2700 MW from urban & industrial wastes, in the country.

Annexure referred in reply to parts (a) and (b) of Lok Sabha Unstarred Question No.296 for answer on 6-7-2004 regarding Generation of Solar Energy.

A. Solar Photovoltaic (SPV) systems/ devices set up in the country as on 31.3.2004:

S.No.	SPV systems/ devices	Total installed capacity(MWp)
1.	Grid-interactive SPV power plants	2.54
2.	Decentralized SPV systems/ devices:	
- #	SPV Street lighting systems	(52,102 Nos.) 3.86
- #	SPV Home lighting systems	(3,07,763 Nos.) 11.85
- #	SPV Lanterns	(5,38,718 Nos.) 5.39
- #	SPV Power plants	0.85
- #	SPV Water pumping systems	- (6414 Nos.) 9.69
	Total	33.18

MWp: Megawatt peak

B. Solar Thermal (ST) systems/ devices set up in the country as on 31.3.2004:

S. No.	ST Systems/ devices	Achievement
1.	Solar cookers	5,57,000 Nos.
2.	Solar water heating systems	0.80 million square meter collector area